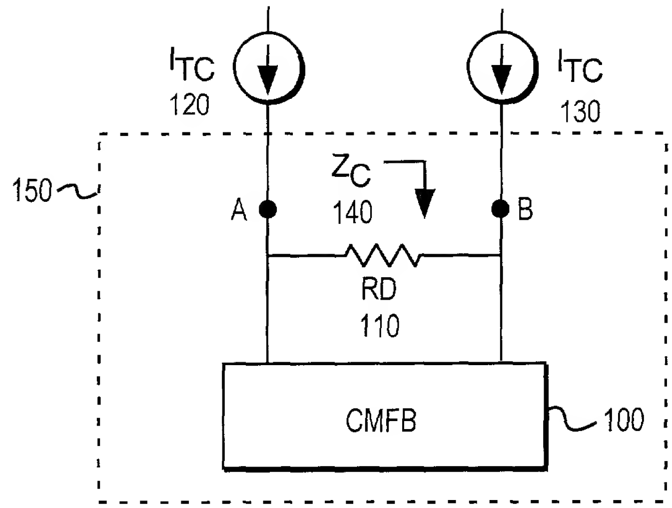
I TC
120
I TC
130
150
Z C
140
A
B
RD
110
CMFB
100

FIG. 1

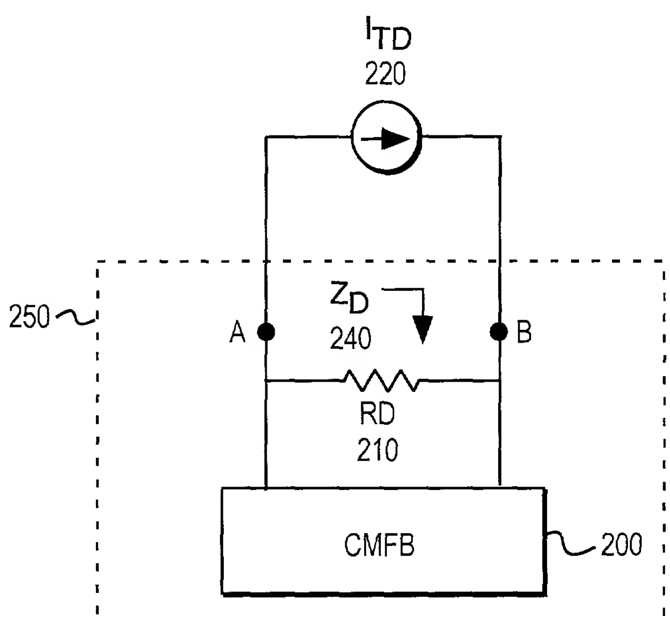
I TD
220
250
Z D
240
A
B
RD
210
CMFB
200

FIG. 2

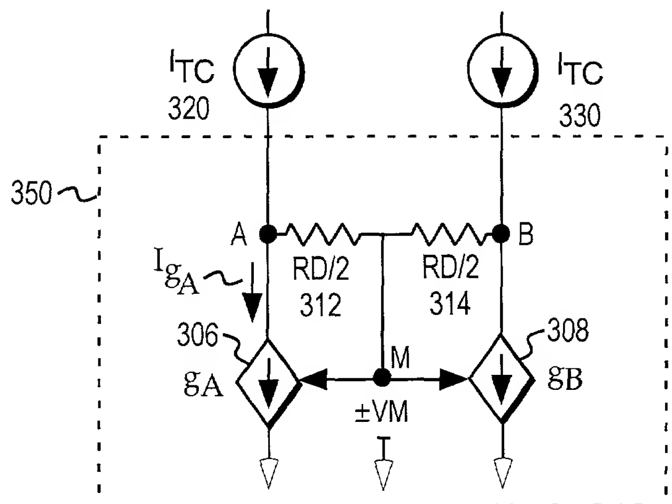
ITC
320
ITC
330
350
A
B
RD/2
312
RD/2
314
IgA
306
308
M
gA
gB
±VM

FIG. 3

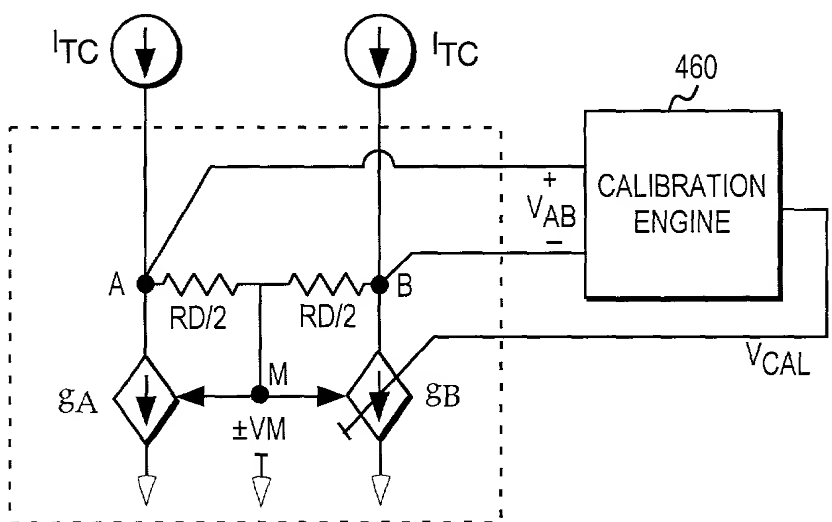
ITC
ITC
460
CALIBRATION
ENGINE
+
VAB
−
A
B
RD/2
RD/2
M
gA
gB
±VM
VCAL

FIG. 4

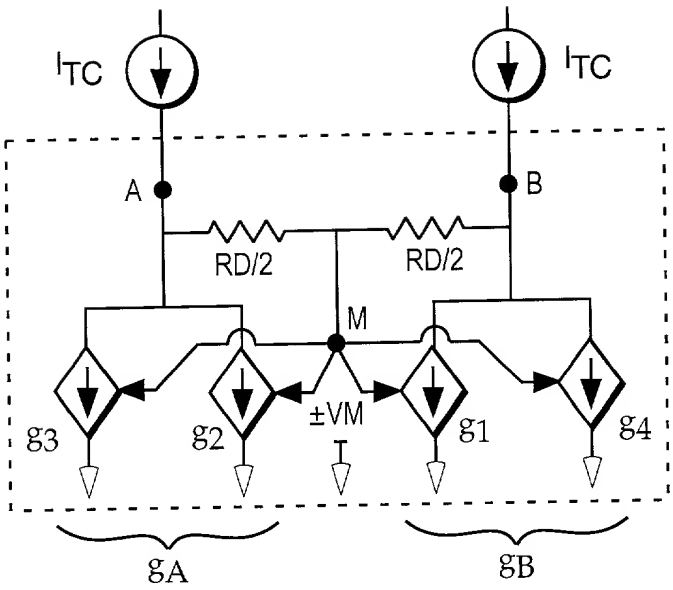

FIG. 5

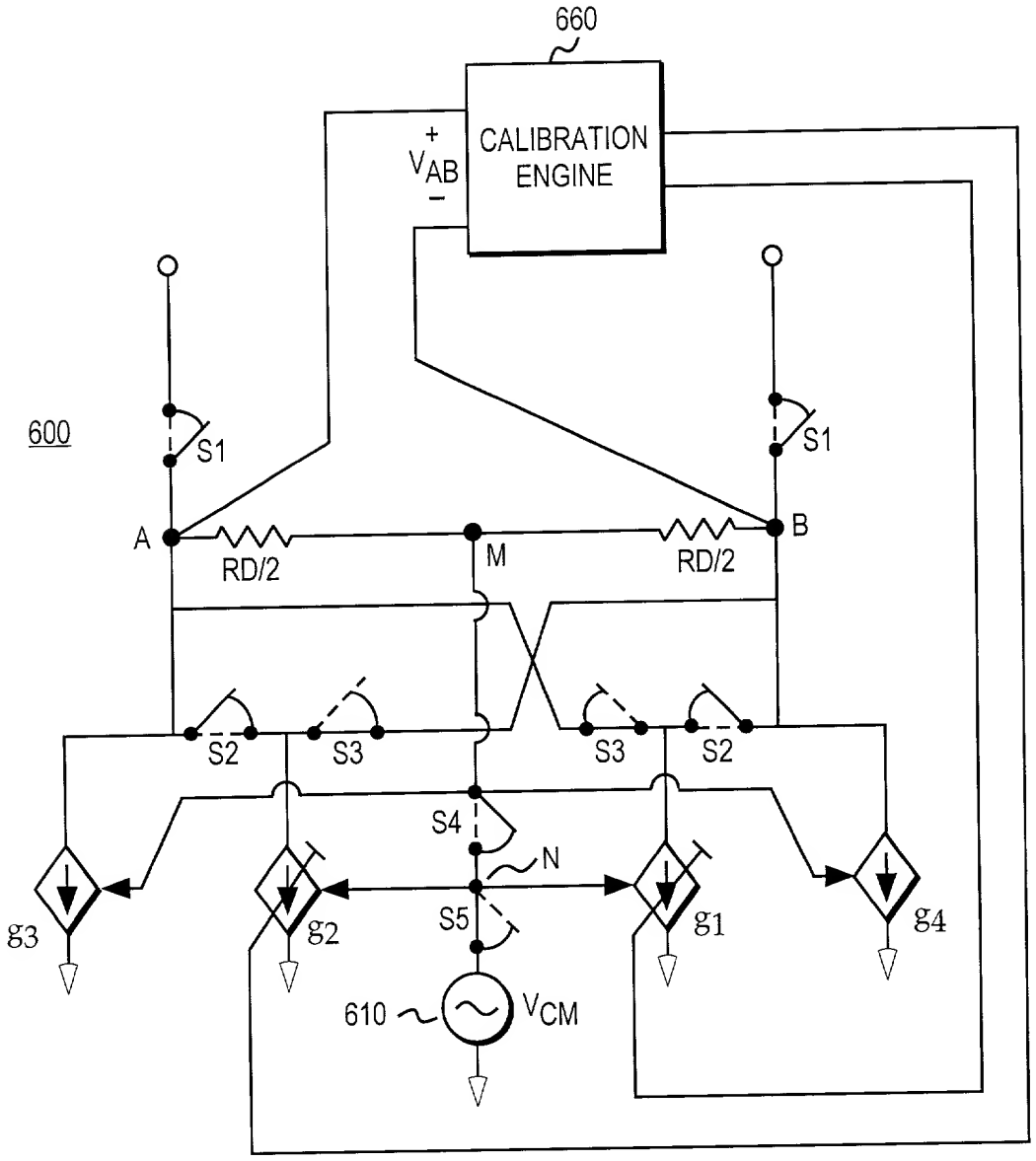
660
CALIBRATION ENGINE
+
V_{AB}
−
600
S1
S1
A
RD/2
M
RD/2
B
S2
S3
S3
S2
S4
N
S5
g3
g2
g1
g4
610
V_{CM}

FIG. 6

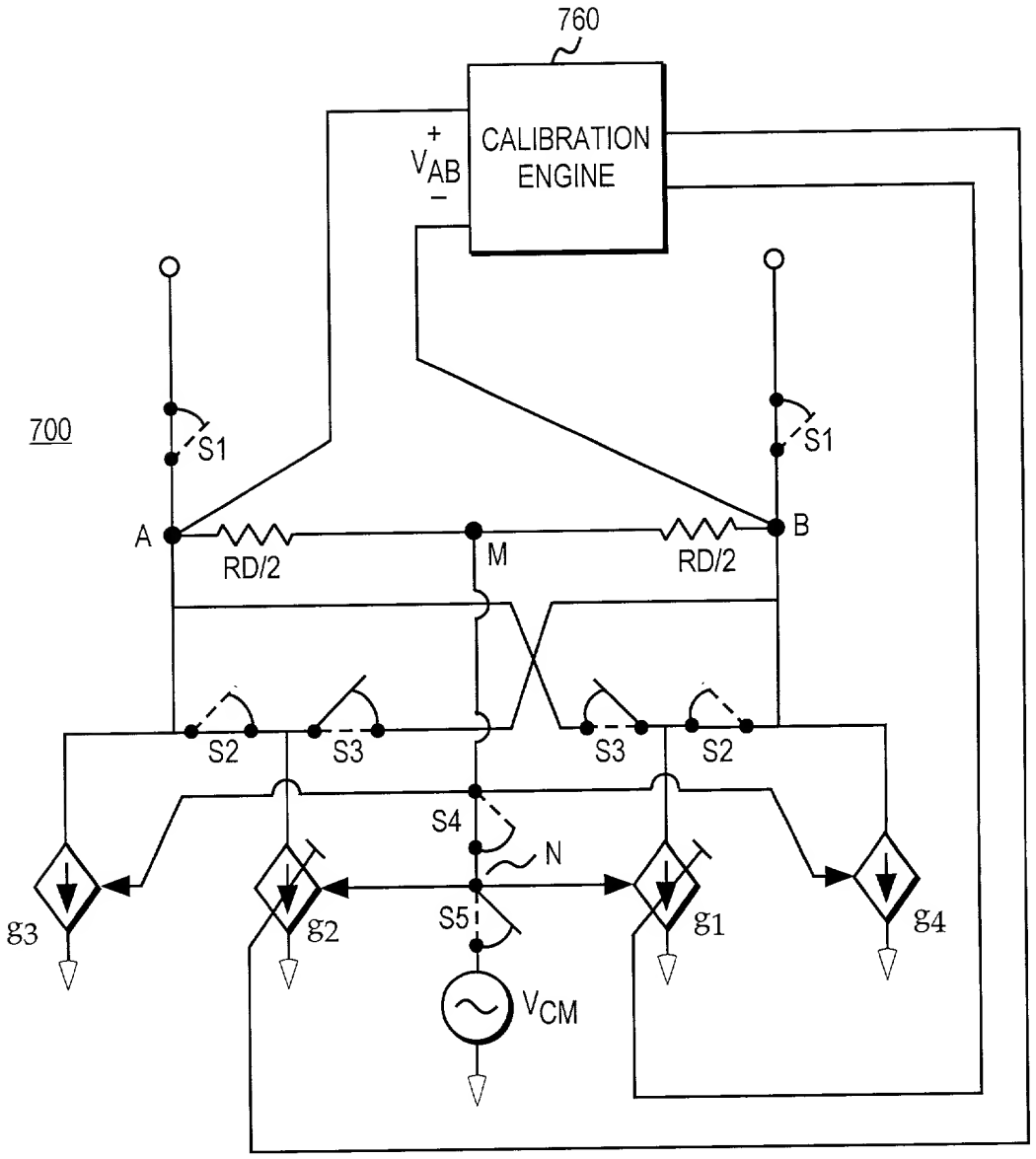
760
CALIBRATION ENGINE
+
V_{AB}
−
700
S1
S1
A
RD/2
M
RD/2
B
S2
S3
S3
S2
S4
N
S5
g3
g2
g1
g4
V_{CM}

FIG. 7

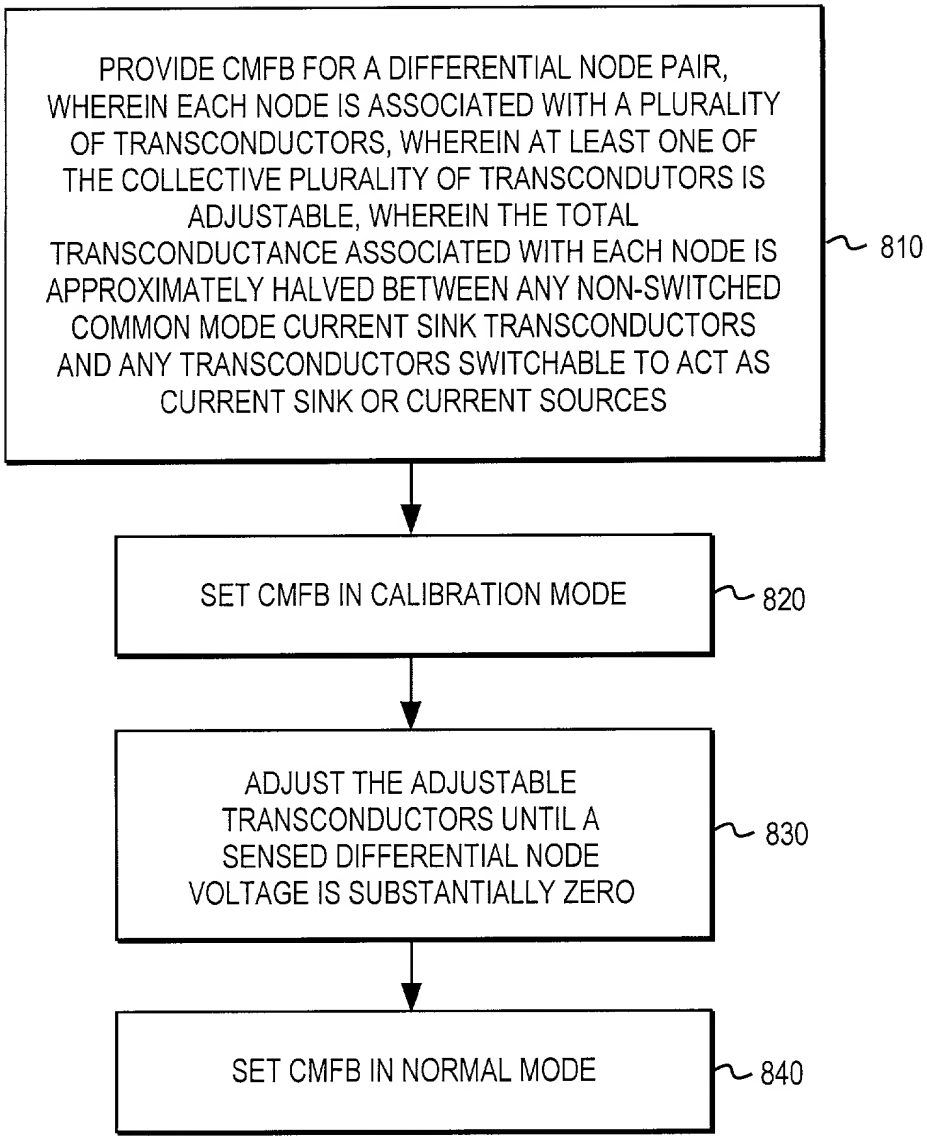
PROVIDE CMFB FOR A DIFFERENTIAL NODE PAIR, WHEREIN EACH NODE IS ASSOCIATED WITH A PLURALITY OF TRANSCONDUCTORS, WHEREIN AT LEAST ONE OF THE COLLECTIVE PLURALITY OF TRANSCONDUTORS IS ADJUSTABLE, WHEREIN THE TOTAL TRANSCONDUCTANCE ASSOCIATED WITH EACH NODE IS APPROXIMATELY HALVED BETWEEN ANY NON-SWITCHED COMMON MODE CURRENT SINK TRANSCONDUCTORS AND ANY TRANSCONDUCTORS SWITCHABLE TO ACT AS CURRENT SINK OR CURRENT SOURCES
810
SET CMFB IN CALIBRATION MODE
820
ADJUST THE ADJUSTABLE TRANSCONDUCTORS UNTIL A SENSED DIFFERENTIAL NODE VOLTAGE IS SUBSTANTIALLY ZERO
830
SET CMFB IN NORMAL MODE
840

FIG. 8